



Water-Data Report NV-2005

10336715 MARLETTE CREEK NEAR CARSON CITY, NV

TRUCKEE RIVER BASIN, LAKE TAHOE

LOCATION.--Lat 39°10'20", long 119°54'25" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.12, T.15 N., R.18 E., Washoe County, Hydrologic Unit 16050101, in Toiyabe National Forest, on left bank, about 300 ft below dam on Marlette Lake (station 10336710), 0.7 mi upstream from Marlette Reservoir, and 7 mi west of Carson City.

DRAINAGE AREA.--2.86 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct 1973 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,760 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. Flow regulated at Marlette Lake 300 ft upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70 ft³/s, Feb 20, 1986, gage height, 3.20 ft; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17 ft³/s, May 29, gage height, 2.48 ft; minimum daily discharge, e0.02 ft³/s, on many days .

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.04	0.04	e0.02	e0.03	e0.03	1.6	7.4	7.0	14	4.3	0.04	e0.03
2	0.04	0.03	e0.02	e0.03	e0.03	2.1	7.0	7.1	14	4.0	0.04	e0.03
3	0.03	0.03	e0.02	e0.03	e0.03	2.4	6.8	7.3	15	3.7	0.03	e0.03
4	0.03	0.05	e0.02	e0.03	e0.03	2.4	6.8	7.5	14	3.4	e0.03	e0.03
5	0.04	0.06	e0.02	e0.03	e0.03	2.4	6.4	8.1	13	3.3	e0.03	e0.03
6	0.03	0.04	e0.02	e0.03	e0.03	2.3	5.9	8.7	12	3.1	e0.03	e0.03
7	0.03	0.04	e0.02	e0.03	e0.03	2.2	5.8	8.8	11	2.3	e0.03	e0.03
8	0.02	0.03	e0.02	e0.03	e0.03	2.1	6.3	8.9	11	2.1	e0.03	e0.03
9	0.02	0.03	e0.02	e0.03	e0.03	2.1	6.7	11	11	1.5	e0.03	e0.03
10	0.02	0.03	e0.02	e0.03	e0.03	2.2	6.4	11	11	1.3	e0.03	e0.03
11	0.02	0.03	e0.02	e0.03	e0.04	2.1	6.0	11	11	1.4	e0.03	e0.03
12	0.04	0.05	e0.02	e0.03	e0.07	2.1	5.9	11	10	1.6	e0.03	e0.03
13	0.03	0.06	e0.02	e0.03	0.10	2.1	5.5	11	10	1.6	e0.03	e0.03
14	0.02	0.06	e0.02	e0.03	0.23	2.2	4.9	11	8.8	1.6	e0.03	e0.03
15	0.04	0.06	e0.02	e0.03	0.23	2.1	4.7	11	7.0	1.2	e0.03	e0.03
16	0.03	0.06	e0.02	e0.03	0.21	2.1	4.6	12	5.2	1.1	e0.03	e0.03
17	0.07	0.06	e0.02	e0.03	0.18	2.1	4.8	13	5.0	1.00	e0.03	e0.03
18	0.05	0.06	e0.02	e0.03	0.18	1.9	4.8	13	4.5	0.82	e0.03	e0.03
19	0.03	0.08	e0.02	e0.03	0.18	2.6	5.2	13	4.2	0.75	e0.03	e0.03
20	0.02	0.06	e0.02	e0.03	0.17	6.9	5.2	13	3.7	0.75	e0.03	e0.03
21	0.02	0.04	e0.02	e0.03	0.16	7.0	5.0	e13	3.8	0.75	e0.03	e0.03
22	0.02	0.03	e0.02	e0.03	0.71	8.5	4.9	13	3.0	0.72	e0.03	e0.03
23	0.02	0.02	e0.02	e0.03	1.4	10	5.0	13	2.5	0.81	e0.03	e0.03
24	0.04	0.02	e0.03	e0.03	1.4	10	5.2	14	2.2	0.88	e0.03	e0.03
25	0.04	0.02	e0.03	e0.03	1.4	8.9	5.0	15	2.0	0.65	e0.03	e0.03
26	0.03	e0.02	e0.03	e0.03	1.4	8.2	5.0	14	1.9	0.55	e0.03	e0.03
27	0.03	e0.02	e0.03	e0.03	1.5	8.1	5.6	15	1.9	0.46	e0.03	e0.03
28	0.03	e0.02	e0.03	e0.03	1.5	9.9	6.2	16	3.1	0.41	e0.03	0.03
29	0.03	e0.02	e0.03	e0.03	---	9.4	6.2	16	4.4	0.20	e0.03	0.03
30	0.03	e0.02	e0.03	e0.03	---	8.5	6.3	14	4.4	0.10	e0.03	0.03
31	0.04	---	e0.03	e0.03	---	7.9	---	13	---	0.05	e0.03	---
Total	0.98	1.19	0.70	0.93	11.36	144.4	171.5	360.4	224.6	46.40	0.95	0.90
Mean	0.03	0.04	0.02	0.03	0.41	4.66	5.72	11.6	7.49	1.50	0.03	0.03
Max	0.07	0.08	0.03	0.03	1.5	10	7.4	16	15	4.3	0.04	0.03
Min	0.02	0.02	0.02	0.03	0.03	1.6	4.6	7.0	1.9	0.05	0.03	0.03
Ac-ft	1.9	2.4	1.4	1.8	23	286	340	715	445	92	1.9	1.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.46	1.20	1.83	2.65	3.78	3.77	4.23	5.42	4.31	1.41	0.41	0.24
Max	3.55	12.2	9.71	11.2	17.4	8.65	7.13	11.6	29.8	12.9	4.18	3.46
(WY)	(1984)	(1984)	(1984)	(1997)	(1986)	(1995)	(1982)	(2005)	(1983)	(1983)	(1983)	(1983)
Min	0.02	0.03	0.02	0.01	0.00	0.04	0.02	0.11	0.04	0.01	0.02	0.02
(WY)	(1988)	(1980)	(1991)	(1993)	(1993)	(1977)	(1991)	(1977)	(1976)	(1990)	(2003)	(1975)

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	Calendar Year 2004		Water Year 2005		Water Years 1974 - 2005	
Annual total	301.01		964.31			
Annual mean	0.82		2.64		2.47	
Highest annual mean					8.29	1983
Lowest annual mean					0.06	1977
Highest daily mean	5.1	Apr 20	16	May 28	63	Feb 19, 1986
Lowest daily mean	0.01	Feb 3	0.02	Oct 8	0.00	Jul 12, 1975
Annual seven-day minimum	0.01	Feb 3	0.02	Nov 23	0.00	Jan 22, 1993
Maximum peak flow			17	May 29	70	Feb 20, 1986
Maximum peak stage			2.48	May 29	3.20	Feb 20, 1986
Annual runoff (ac-ft)	597		1,910		1,790	
10 percent exceeds	3.5		10		6.7	
50 percent exceeds	0.03		0.05		0.66	
90 percent exceeds	0.02		0.02		0.03	